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54 **Monolithic integrated circuit device including AC negative feedback type high frequency amplifier circuit.**

57 An AC negative feedback circuit (14) includes a semiconductor impedance element (41) connected to an external terminal (11d) on the substrate on which the whole device is formed, and variable control means (20) for adjusting the amount of AC feedback of the high frequency amplifier circuit. As the semiconductor impedance element is used the junction capacitance of a diode (41) under negative bias, diffusion capacitance between the base and emitter electrodes or between the base and collector electrodes of a transistor (51) or a differentiated resistance of a diode (62).

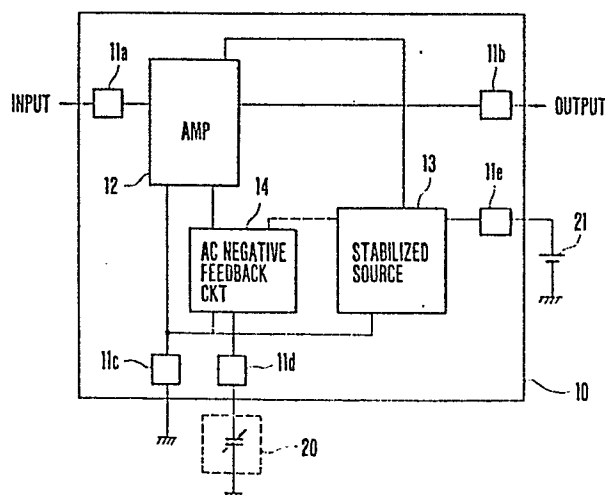


FIG.1



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	DE-B-2 347 711 (SIEMENS AG) * Figure; column 2, lines 34-38; column 2, line 54 - column 3, line 12 *	1,3	H 03 F 1/48 H 03 F 3/195 H 03 F 1/08
A	--- US-A-3 671 886 (I. FUDEMOTO et al.) * Figure 3; column 3, lines 30-47 *	1-3,5	
A	--- US-A-3 524 141 (D.H. MONTGOMERY et al.) * Figure 2; column 1, abstract; column 3, lines 22-43 *	1-3,5	
A	--- US-A-4 002 993 (R.J. VAN DE PLASCHE) * Figures 1-3; column 3, lines 41-52 *	4,9	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			H 03 F H 03 G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30-05-1986	Examiner TYBERGHIE G.M.P.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	